Appendix E T-REX Output

Asparagus- 4 lb ai/A

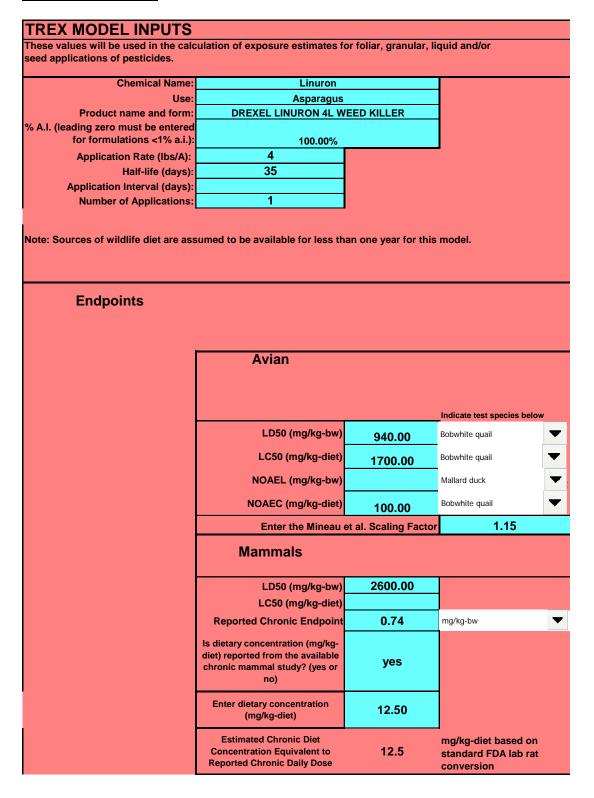


	Table X. Upper Bound Kenaga, Acute Avian Dose-Based Risk Quotients											
			EECs and RQs									
Size Class (grams)	Adjusted LD50	Short Grass		Tall Grass			eaf Plants/ l Insects	Fruits/Pods/ Seeds/ Large Insects				
(g)		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ			
20	677.20	1093.34	1.61	501.12	0.74	615.01	0.91	68.33	0.10			
100	862.11	623.47	0.72	285.76	0.33	350.70	0.41	38.97	0.05			
1000	1217.77	279.14	0.23	127.94	0.11	157.01	0.13	17.45	0.01			

Table	X. Upper l	X. Upper Bound Kenaga, Subacute Avian Dietary Based Risk Quotients EECs and RQs											
	Short Grass		Tall (Grass	Broa Plar Small l	nts/	Fruits/Pods/ Seeds/ Large Insects						
LC50	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ					
1700	960.00	0.56	440.00	0.26	540.00	0.32	60.00	0.04					

Size class not used for dietary risk quotients

Table X. Upper Bound Kenaga, Chronic Avian Dietary Based Risk Quotients EECs and RQs												
NOAEC	Short (Short Grass Tall Grass				dleaf nts/ Insects	Fruits/Pods/ Seeds/ Large Insects					
(ppm)	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ				
100	960.00	9.60	440.00	4.40	540.00	5.40	60.00	0.60				

	Tab	le X. Upper Bound Kenaga, Acute Mammalian Dose-Based Risk Quotients
Size	Adjusted	EECs and RQs

Class (grams)	LD50	Short	Grass	Tall (Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	
15	5714.36	915.29	0.16	419.51	0.07	514.85	0.09	57.21	0.01	12.71	0.00	
35	4623.53	632.59	0.14	289.93	0.06	355.83	0.08	39.54	0.01	8.79	0.00	
1000	1999.82	146.67	0.07	67.22	0.03	82.50	0.04	9.17	0.00	2.04	0.00	

Table 2	Table X. Upper Bound Kenaga, Acute Mammalian Dietary Based Risk Quotients EECs and RQs											
LC50	Short (Grass	Tall (Grass	Broa Pla Small	nts/	Fruits/Pods/ Seeds/ Large Insects					
(ppm)	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ				
0	960.00	#####	440.00	#####	540.00	#####	60.00	#####				

Table X	. Upper Bo	und Kenaş	ga, Chron	nic Mamr	nalian Di	etary Bas	ed Risk Quo	tients			
	EECs and RQs										
NOAEC (ppm)	Short Grass		Tall (Tall Grass		dleaf nts/	Fruits/P Seeds	s/			
TI /		Ī		ı	Small	Insects	Large In	sects			
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ			
13	960.00	76.80	440.00	35.20	540.00	43.20	60.00	4.80			

	Table X. Upper Bound Kenaga, Chronic Mammalian Dose-Based Risk Quotients											
						EECs a	and RQs					
Size Class (grams)	Adjusted NOAEL	Short Grass		Tall (Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	
15	1.63	915.29	562.77	419.51	257.94	514.85	316.56	57.21	35.17	12.71	7.82	
35	1.32	632.59	480.71	289.93	220.33	355.83	270.40	39.54	30.04	8.79	6.68	
1000	0.57	146.67	257.68	67.22	118.10	82.50	144.95	9.17	16.11	2.04	3.58	

TREX MODEL INPUTS These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides. LINURON **Chemical Name:** CARROT, corn, parsnip, soybean **DREXE LINURON 4L WEED KILLER** Product name and form: % A.I. (leading zero must be entered for formulations <1% a.i.): 100.00% Application Rate (lbs/A): 1.5 35 Half-life (days): Application Interval (days): **Number of Applications:** Note: Sources of wildlife diet are assumed to be available for less than one year for this model. **Endpoints** Avian Indicate test species below LD50 (mg/kg-bw) Bobwhite quail 940.00 LC50 (mg/kg-diet) Bobwhite quail 1700.00 NOAEL (mg/kg-bw) Mallard duck NOAEC (mg/kg-diet) Bobwhite quail 100.00 1.15 Enter the Mineau et al. Scaling Factor **Mammals** 2600.00 LD50 (mg/kg-bw) LC50 (mg/kg-diet) **Reported Chronic Endpoint** 0.74 mg/kg-bw Is dietary concentration (mg/kgdiet) reported from the available yes chronic mammal study? (yes or no) **Enter dietary concentration** 12.50 (mg/kg-diet)

Estimated Chronic Diet

Concentration Equivalent to

Reported Chronic Daily Dose

mg/kg-diet based on

standard FDA lab rat

conversion

12.5

Table X. Upper Bound Kenaga, Acute Avian Dose-Based Risk Quotients EECs and RQs Broadleaf Fruits/Pods/ Size Adjusted **Short Grass Tall Grass** Plants/ Seeds/ Class **LD50 Small Insects Large Insects** (grams) **EEC** RQ **EEC** RQ **EEC** RQ **EEC** RQ 410.00 230.63 187.92 0.28 0.34 25.63 0.04 20 677.20 0.61 100 233.80 0.27107.16 0.12 862.11 131.51 0.15 14.61 0.02

Table X	K. Upper Bo	. Upper Bound Kenaga, Subacute Avian Dietary Based Risk Quotients											
		EECs and RQs											
	Short C	Grass	Tall (Grass	Broa Pla Small		Fruits/ Seed Large I	ds/					
LC50	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ					
1700	360.00	0.21	165.00	0.10	202.50	0.12	22.50	0.01					

47.98

0.04

58.88

0.05

6.54

0.01

Size class not used for dietary risk quotients

1000

1217.77

104.68

0.09

Table 2	Table X. Upper Bound Kenaga, Chronic Avian Dietary Based Risk Quotients										
	EECs and RQs										
NOAEC	Short (Grass	Tall (Tall Grass		Broadleaf Plants/ Small Insects		Pods/ ds/ nsects			
(ppm)	EEC RQ		EEC	RQ	EEC	RQ	EEC	RQ			
100	360.00	3.60	165.00	1.65	202.50	2.03	22.50	0.23			

	Table X. Upper Bound Kenaga, Acute Mammalian Dose-Based Risk Quotients												
			EECs and RQs										
Size Class (grams)	Adjusted LD50	Short	Grass	Tall (Grass	Broadleaf Fruits/Pods/ s Plants/ Seeds/ Small Insects Large Insects		Granivore					
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ		
15	5714.36	343.23	0.06	157.31	0.03	193.07	0.03	21.45	0.00	4.77	0.00		
35	4623.53	237.22	0.05	108.73	0.02	133.44	0.03	14.83	0.00	3.29	0.00		

Table X.	Table X. Upper Bound Kenaga, Acute Mammalian Dietary Based Risk Quotients EECs and RQs												
LC50	Short (Grass	Tall (Grass	Pla	dleaf nts/ Insects	Fruits/Pods/ Seeds/ Large Insects						
(ppm)	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ					
0	360.00	#####	165.00	#####	202.50	#####	22.50	#####					

Table	Table X. Upper Bound Kenaga, Chronic Mammalian Dietary Based Risk Quotients												
		EECs and RQs											
NOAEC	OAEC					dleaf	Fruits/	Pods/					
(ppm)	Short C	Grass	Tall Grass Plants/		Seed	ds/							
(ppin)					Small	Insects	Large I	nsects					
	EEC	RQ	EEC	RQ	EEC RQ		EEC	RQ					
13	360.00	28.80	165.00	13.20	202.50	16.20	22.50	1.80					

	Table X. Upper Bound Kenaga, Chronic Mammalian Dose-Based Risk Quotients EECs and POs													
Size Class (grams)	Adjusted NOAEL	Short	Short Grass Tall Grass F			Tall Grass Broadleaf Plants/ Seeds/ Small Insects Large Insects					ivore			
		EEC	RQ	EEC	RQ	RQ	EEC	RQ						
15	1.63	343.23	211.04	157.31	96.73	193.07	118.71	21.45	13.19	4.77	2.93			
35	1.32	237.22	180.27	108.73	82.62	133.44	101.40	14.83	11.27	3.29	2.50			
1000	0.57	55.00	96.63	25.21	44.29	30.94	54.35	3.44	6.04	0.76	1.34			

TREX MODEL INPUTS These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides. **Chemical Name:** Linuron Celery, kenaf, sorghum, ornamental plants Product name and form: Linex 50% DF % A.I. (leading zero must be entered for formulations <1% a.i.): 100.00% 1 Application Rate (lbs/A): 35 Half-life (days): Application Interval (days): 1 **Number of Applications:** Note: Sources of wildlife diet are assumed to be available for less than one year for this model. **Endpoints** Avian Indicate test species below LD50 (mg/kg-bw) Bobwhite quail 940.00 LC50 (mg/kg-diet) Mallard duck 1700.00 NOAEL (mg/kg-bw) Mallard duck NOAEC (mg/kg-diet) Bobwhite quail 100.00 1.15 Enter the Mineau et al. Scaling Factor **Mammals** 2600.00 LD50 (mg/kg-bw) LC50 (mg/kg-diet) 0.74 **Reported Chronic Endpoint** mg/kg-bw Is dietary concentration (mg/kgdiet) reported from the available yes chronic mammal study? (yes or no) **Enter dietary concentration** 12.50 (mg/kg-diet) **Estimated Chronic Diet** mg/kg-diet based on **Concentration Equivalent to** 12.5 standard FDA lab rat **Reported Chronic Daily Dose** conversion

7	Table X. Upper Bound Kenaga, Acute Avian Dose-Based Risk Quotients														
					EECs ar	nd RQs									
Size Class (grams)	Adjusted LD50	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects							
(g- 112)		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ						
20	677.20	273.34	0.40	125.28	0.18	153.75	0.23	17.08	0.03						
100	862.11	155.87	0.18	71.44	0.08	87.68	0.10	9.74	0.01						
1000	1217.77	69.78	0.06	31.98	0.03	39.25	0.03	4.36	0.00						

Table X	. Upper Bo	und Kena				y Based 1	Risk Quo	tients
	Short (Grass		EECs and	l `		Fruits See Large	ds/
LC50	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1700	240.00	0.14	110.00	0.06	135.00	0.08	15.00	0.01

Size class not used for dietary risk quotients

Table X	Table X. Upper Bound Kenaga, Chronic Avian Dietary Based Risk Quotients													
		EECs and RQs												
NOAEC	Short (Grass	Tall (Grass	Broa Pla Small		Fruits/Pods/ Seeds/ Large Insects							
(ppm)	EEC RQ EEC RQ EEC RQ							RQ						
100	240.00	2.40	110.00	1.10	135.00	1.35	15.00	0.15						

	Table X.	Upper Bound Ken	naga, Acute Mami	malian Dose-Base	d Risk Quotients	s
Size	Adjusted		E	ECs and RQs		
Class (grams)	LD50	Short Grass	Tall Grass	Broadleaf Plants/ Small Insects	Fruits/Pods/ Seeds/ Large Insects	Granivore

		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	5714.36	228.82	0.04	104.88	0.02	128.71	0.02	14.30	0.00	3.18	0.00
35	4623.53	158.15	0.03	72.48	0.02	88.96	0.02	9.88	0.00	2.20	0.00
1000	1999.82	36.67	0.02	16.81	0.01	20.63	0.01	2.29	0.00	0.51	0.00

Table X.	X. Upper Bound Kenaga, Acute Mammalian Dietary Based Risk Quotients EECs and RQs												
LC50	Short (Grass	Tall (Grass	Pla	dleaf nts/ Insects	Fruits See Large	eds/					
(ppm)	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ					
0	240.00	#####	110.00	#####	135.00	#####	15.00	#####					

Table	Table X. Upper Bound Kenaga, Chronic Mammalian Dietary Based Risk Quotients												
		EECs and RQs											
NOAEC					Broa	dleaf	Fruits/Pods/						
(ppm)	Short C	Grass Tall Grass Plants/		See	eds/								
(ppin)					Small	Insects	Large	Insects					
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ					
13	240.00	19.20	110.00	8.80	135.00	10.80	15.00	1.20					

	Table X. Upper Bound Kenaga, Chronic Mammalian Dose-Based Risk Quotients EECs and RQs													
(lacc	Adjusted NOAEL	Short (Proce		Tall (Tall Grass Broadleaf Plants/ Small Insects		Fruits See Large	ds/	Gran	ivore				
		EEC	RQ	EEC RQ EEC RQ EEC RQ					RQ	EEC	RQ			
15	1.63	228.82	140.69	104.88	64.48	128.71	79.14	14.30	8.79	3.18	1.95			
35	1.32	158.15	120.18	72.48	55.08	88.96	67.60	9.88	7.51	2.20	1.67			
1000	0.57	36.67	64.42	16.81	29.53	20.63	36.24	2.29	4.03	0.51	0.89			

Rights-of-Way - 3 lb ai/A TREX MODEL INPUTS These values will be used in the calculation of exposure estimates for foliar, granular, liquid and/or seed applications of pesticides. **Chemical Name:** Linuron Right of Way Product name and form: Linuron 4L % A.I. (leading zero must be entered for formulations <1% a.i.): 100.00% 3 Application Rate (lbs/A): Half-life (days): 35 Application Interval (days): **Number of Applications:** 1 Note: Sources of wildlife diet are assumed to be available for less than one year for this model. **Endpoints** Avian Indicate test species below LD50 (mg/kg-bw) 940.00 Bobwhite quail LC50 (mg/kg-diet) Bobwhite quail 1700.00 NOAEL (mg/kg-bw) Mallard duck Bobwhite quail NOAEC (mg/kg-diet) 100.00 1.15 Enter the Mineau et al. Scaling Factor **Mammals**

2600.00 LD50 (mg/kg-bw) LC50 (mg/kg-diet) **Reported Chronic Endpoint** 0.74 mg/kg-bw Is dietary concentration (mg/kgdiet) reported from the available yes chronic mammal study? (yes or no) Enter dietary concentration 12.50 (mg/kg-diet) **Estimated Chronic Diet** mg/kg-diet based on **Concentration Equivalent to** 12.5 standard FDA lab rat **Reported Chronic Daily Dose** conversion

,	Table X. Upper Bound Kenaga, Acute Avian Dose-Based Risk Quotients														
			EECs and RQs												
Size Class (grams)	Adjusted LD50	Short Grass		Tall (Tall Grass		dleaf nts/ Insects	Fruits/Pods/ Seeds/ Large Insects							
(g- 11-12)		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ						
20	677.20	820.01	1.21	375.84	0.55	461.25	0.68	51.25	0.08						
100	862.11	467.60	0.54	214.32	0.25	263.03	0.31	29.23	0.03						
1000	1217.77	209.35	0.17	95.95	0.08	117.76	0.10	13.08	0.01						

Table X	ole X. Upper Bound Kenaga, Subacute Avian Dietary Based Risk Quotients EECs and RQs													
	Short (Grass	Tall (Grass	Broa Pla Small	nts/	Fruits/ See Large l	ds/						
LC50	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ						
1700	720.00	0.42	330.00	0.19	405.00	0.24	45.00	0.03						

Size class not used for dietary risk quotients

Table X	K. Upper Bo	ound Kei	<u> </u>	onic Avis EECs an		y Based 1	Risk Quot	ients	
NOAEC	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		
(ppm)	EEC	RQ	EEC	RQ	EEC RQ		EEC	RQ	
100	720.00	7.20	330.00	3.30	405.00	4.05	45.00	0.45	

	Table X.	Upper Bound Kenaga, Acute Mammalian Dose-Based Risk Quotients
Size	Adjusted	EECs and RQs

Class (grams)	LD50	Short Grass		Tall (Grass	Pla	dleaf nts/ Insects	Fruits See Large		Gran	ivore
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	5714.36	686.46	0.12	314.63	0.06	386.14	0.07	42.90	0.01	9.53	0.00
35	4623.53	474.44	0.10	217.45	0.05	266.87	0.06	29.65	0.01	6.59	0.00
1000	1999.82	110.00	0.06	50.42	0.03	61.88	0.03	6.88	0.00	1.53	0.00

Table X. Upper Bound Kenaga, Acute Mammalian Dietary Based Risk Quotients EECs and RQs											
LC50	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects				
(ppm)	EEC RQ		EEC	RQ	EEC	RQ	EEC	RQ			
0	720.00	#####	330.00	#####	405.00	#####	45.00	#####			

Table X. Upper Bound Kenaga, Chronic Mammalian Dietary Based Risk Quotients										
	EECs and RQs									
NOAEC (ppm)	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects			
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ		
13	720.00	57.60	330.00	26.40	405.00	32.40	45.00	3.60		

Table X. Upper Bound Kenaga, Chronic Mammalian Dose-Based Risk Quotients EECs and RQs											
Size Class (grams)	Adjusted NOAEL	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC RQ		EEC	RQ	EEC	RQ	EEC	RQ
15	1.63	686.46	422.08	314.63	193.45	386.14	237.42	42.90	26.38	9.53	5.86
35	1.32	474.44	360.54	217.45	165.25	266.87	202.80	29.65	22.53	6.59	5.01
1000	0.57	110.00	193.26	50.42	88.58	61.88	108.71	6.88	12.08	1.53	2.68